

## INTERNATIONAL SEARCH REPORT

IB2004/051381

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05B41/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 251 752 A (STOLZ JAMES B) 17 February 1981 (1981-02-17) column 2, line 58 - column 3, line 27 column 4, line 16 - line 67 column 5, line 23 - column 6, line 58 column 7, line 50 - column 8, line 30 figures 1,2	1-18
X	US 5 315 214 A (LESEA RONALD A) 24 May 1994 (1994-05-24) column 3, line 12 - line 30 column 3, line 67 - column 4, line 44 column 5, line 28 - line 44 column 10, line 18 - line 49 figures 1,2,4,5 ----- -/--	1,11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

25/10/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/69053 A (KONINKL PHILIPS ELECTRONICS NV) 16 November 2000 (2000-11-16) cited in the application the whole document -----	1-18

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			EP 0598110 A1	25-05-1994
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			KR 9711552 B1	11-07-1997
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WO 0069053	A	16-11-2000	US 6128205 A	03-10-2000
			CN 1130814 B	10-12-2003
			DE 60000327 D1	19-09-2002
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			WO 0069053 A1	16-11-2000
			EP 1095444 A1	02-05-2001
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